

OFFICE OF THE SECRETARY
CORRESPONDENCE CONTROL TICKET

Date Printed: Oct 26, 2004 10:59

PAPER NUMBER: LTR-04-0668

LOGGING DATE: 10/25/2004

ACTION OFFICE: EDO

To: Dyer, NRR

AUTHOR: Bob Leyse

AFFILIATION: ID

ADDRESSEE: Nils Diaz

SUBJECT: Adequacy of fueling

Cys, EDO
DEDMRS
DEDH
DEDM
AO
DEDR

ACTION: Information

DISTRIBUTION:

LETTER DATE: 10/25/2004

ACKNOWLEDGED No

SPECIAL HANDLING: Made publicly available in ADAMS via SECY/EDO/DPC

NOTES:

FILE LOCATION: ADAMS

DATE DUE:

DATE SIGNED:

From: <Bobleuse@aol.com>
To: <Chairman@nrc.gov>
Date: Mon, Oct 25, 2004 12:44 PM
Subject: Fwd: Now, this is fouling!

I have just found out that NRC now recognizes that oxidation has a greater impact on RIAs than burnup: See ML040920167 and ML040920189.

Your staff should review the following:

<http://www.inel.gov/relap5/rius/yellowsone/leyse.pdf>

This is the set of slides that I presented at the 2003 RELAP5 International Users Seminar, West Yellowstone, Montana, August 27-29, 2003. In the final slide I state, "Fouling has a greater impact than burnup." This set of slides is far more pertinent to RIAs than the EPRI report that is still under review at NRC.

If your staff really evaluate the impact of the fouling that is documented in the forwarded note, they will find that even the impact of oxidation is trivial in comparison with the fouling.

I live a few hundred miles downwind from the Columbia Generating Station, a huge BWR that is also subject to severe fouling. A few hundred miles might be far enough to avoid severe fallout unless nature hits us with an unusual weather pattern. However, FEMA has no resources to manage the thousands of evacuees that will head this way.

CC: <Laurel.Hall@mail.house.gov>, <margaret_ryan@platts.com>, <koneil@postregister.com>, <rrudman@epri.com>

From: <Bobleyse>
To: <Chairman@nrc.gov>
Date: Mon, Oct 25, 2004 12:43 PM
Subject: Now, this is fouling!

Now, this is fouling!

The above is copied from a slide that AREVA, FRAMATOM ANP, INC. presented at the 2004 International ANS Meeting on LWR Fuel Performance, September 20, 2004. The slide is easily found via Google. The text of the slide is as follows:

River Bend

Typical Span 2 condition of one-cycle fuel

Heavily textured CRUD with nodules before brushing

Other spans showed normal CRUD thickness

CRUD thickness azimuthally non-uniform

Mr. Chairman, note that the fouling deposits appear to have bridged the water gap between the two fuel rods on the left side of the above figure. The Conference included several other presentations that described intense fouling of LWR fuel.

You will be hearing from me in light of these partially detailed recent public disclosures and the NRC's inaccurate responses to my PRMs-50-73, 50-73A, and 50-78. Furthermore, the NRC has not published its evaluation of my PRM-50-76.

Robert H. Leyse
P. O. Box 2850
Sun Valley, ID 83353

bobleyse@aol.com

CC: <KTREVER@DEQ.STATE.ID.US>, <Laurel.Hall@mail.house.gov>, <koneil@postregister.com>, <margaret_ryan@platts.com>, <rrudman@epri.com>, <dauria@ing.unipi.it>, <francesc.reventos@upc.es>

Mail Envelope Properties (417D2D4E.DF6 : 24 : 40438)

Subject: Fwd: Now, this is fouling!
Creation Date: Mon, Oct 25, 2004 12:41 PM
From: <Bobleuse@aol.com>

Created By: Bobleuse@aol.com

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Mime.822	37947	

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Security: Standard

From: <Bobleuse@aol.com>
To: <Chairman@nrc.gov>
Date: Mon, Oct 25, 2004 2:16 PM
Subject: Fwd: Fwd: Now, this is fouling!

This is the correct reference that is erroneously spelled in the forwarded note:

<http://www.inel.gov/relap5/rius/yellowstone/leyse.pdf>

CC: <KTREVER@DEQ.STATE.ID.US>, <Laurel.Hall@mail.house.gov>,
<margaret_ryan@platts.com>, <koneil@postregister.com>, <dauria@ing.unipi.it>, <rrudman@epri.com>

Mail Envelope Properties (417D42E5.95B : 16 : 43355)

Subject: Fwd: Fwd: Now, this is fouling!
Creation Date: Mon, Oct 25, 2004 2:14 PM
From: <Bobleuse@aol.com>

Created By: Bobleuse@aol.com

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Options

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